sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date:03.04.2021

# TEST REPORT ON CEMENT

**Client Agency** : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

**Name of Work** : **Sri. R Lokesh,** Contractor, Bangalore.

Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

**Sample :** :Cement (Zuari 53 grade OPC)

**Sample Supplied by:** :AGENCY

**Date of Manufacture:** :March-2021

**Date of Testing** 01.04.2021 to 03.04.2021

| Sl.No | Descriptions | Test Method as per IS | Test Result | Requirements as per IS: 269:2015 |
|---|---|---|---|---|
| 1 | a) Initial Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 120 Minutes | Not Less than 30 Minutes |
| | b) Final Setting Time | IS-4031 (Part - 5):1988(RA 2014) | 360 Minutes | Not More than 600 Minutes |
| 2 | Soundness | IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method | 1 mm | Not more than 10 mm |
| 3 | Standard Consistency | IS-4031 (Part -4) | 28.00% | - |

**Note:**

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date 03.04.2021

## TEST REPORT ON FINE AGGREGATES (SAND)

**Client** : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
**Agency** : **Sri. R Lokesh,** Contractor, Bangalore.
**Name of Work** Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

**Date of Testing** 03.04.2021
**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
**Material** : Sand Total Wt. of Aggregates in gms **1000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 Spec.Limits For Zone-II |
|---|---|---|---|---|---|
| 10 | 0 | 0 | 0 | 100 | 100 |
| 4.75 | 82 | 8.20 | 8.20 | 91.8 | 90-100 |
| 2.36 | 154 | 15.40 | 23.60 | 76.4 | 75-100 |
| 1.18 | 162 | 16.20 | 39.80 | 60.2 | 55-90 |
| 600 Micron | 222 | 22.20 | 62.00 | 38.0 | 35-59 |
| 300 Micron | 163 | 16.30 | 78.30 | 21.7 | 8-30 |
| 150 Micron | 175 | 17.50 | 95.80 | 4.2 | 0-10 |

**Note:**

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date 03.04.2021

## TEST REPORT ON COARSE AGGREGATES

**Client** : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.
**Agency** : **Sri. R Lokesh,** Contractor, Bangalore.
**Name of Work** Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE 2019-20 RRN-DIV-(09)

Date of Testing 03.04.2021
**IS Code** :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : 40mm Aggregates

Total Wt. of Aggregates in gms **15000**

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 80 | 0 | 0 | 0 | 100 | 100 |
| 40 | 252 | 1.68 | 1.68 | 98.32 | 95-100 |
| 20 | 8451 | 56.34 | 58.02 | 41.98 | 30-70 |
| 10 | 3326 | 22.17 | 80.19 | 19.81 | 10-35 |
| 4.75 | 2547 | 16.98 | 97.17 | 2.83 | 0-5 |

**Note:**
1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo Tech & Road Materials Testing Laboratory)

#89-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date 03.04.2021

# TEST REPORT ON COARSE AGGREGATES

**Client** : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

**Agency** : **Sri. R Lokesh,** Contractor, Bangalore.

**Name of Work** Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE 2019-20 RRN-DIV-(09)

Date of Testing 03.04.2021

**IS Code** :IS 383:2016

:IS 2386 (Part 1):1963(RA 2011)

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

| Is Sieve Size in mm | Weight Retained (gm) | Retained Weight in % | Cumulative Retained Weight in % | Cumulative Weight Passing in % | Requirements as per IS 383:2016 |
|---|---|---|---|---|---|
| 40 | 0 | 0 | 0 | 100 | 100 |
| 20 | 190 | 3.8 | 3.8 | 96.2 | 95-100 |
| 10 | 3214 | 64.3 | 68.1 | 31.9 | 25-55 |
| 4.75 | 1212 | 24.2 | 92.3 | 7.7 | 0-10 |

**Note:**

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
Building Geo-Tech & Road Material Testing Laboratory

#89-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 03.04.2021

# TEST RESULTS OF PHYSICAL PROPERTIES OF REINFORCEMENT STEEL

**Client** : : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

**Agency** : : **Sri. R Lokesh,** Contractor, Bangalore.

**Name of Work** : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

**Sample Identification** : 8mm,10mm Fe 500 TMT Bars

**Technical Reference** : IS 1786:2008, IS 1608:2005, IS 1599:1985 (Reaffirmed 2006)

**Date of test** : 03.04.2021

| S.No | Brand | Nominal size (dia in mm) | Mass per metre (kg/metre) | TENSILE STRENGTH | | |
|---|---|---|---|---|---|---|
| | | | | 0.20 % proof stress/ yield stress ($N/mm^2$) | Tensile strength ($N/mm^2$) | Elongation, percent on gauge length |
| 1 | Fe 500 | 8 | 0.396 | 510 | 612 | 16.5 |
| 2 | Fe 500 | 10 | 0.619 | 526 | 635 | 18 |

**Remarks:**

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಮಹದಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date: 21.04.2021

## PRECAST SLAB 250mm Thick(CORE) TEST REPORT

| | | |
|---|---|---|
| **Client** | : | **Executive Engineer,** RR Nagar Division,BBMP, Bangalore. |
| **Contractor** | : | **Sri. R Lokesh,** Contractor, Bangalore. |
| **Name of Work** | : | Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09) |
| **No.of Sample Tested** | : | 03 |
| **Date of Testing** | : | 21.04.2021 |
| **Techinical Reference** | : | IS:516-1959 (Reaffirmed 1999), SP-24:1983. |
| **Grade of Concrete** | : | $M_{20}$ |

| Sl. No. | Dia of Core D (mm) | Height of Core H (mm) | Core Wt (Kg) | Density of Core (kg / $m^3$) | H / D | Correction factor (Based on H/D) | Failure Load (kN) | Core Strength ( $N/mm^2$) | Correction Factor for the Dia. (Strength of the Core x 1.08) | Corrected Cylinder Compressive Strength ($N/mm^2$) | Equivalent Cube Compressive Strength ($N/mm^2$) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 90.00 | 112.00 | 1.640 | 2301.15 | 1.24 | 0.918 | 108.90 | 17.12 | 18.49 | 16.98 | 21.22 |
| 2 | 90.00 | 116.00 | 1.752 | 2374.11 | 1.29 | 0.923 | 112.30 | 17.65 | 19.06 | 17.60 | 22.00 |
| 3 | 90.00 | 120.00 | 1.826 | 2391.91 | 1.33 | 0.928 | 116.50 | 18.31 | 19.78 | 18.35 | 22.94 |

**Note:**

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬಿಬಿಎಂಪಿ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date: 21.04.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no 17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 21.04.2021 | 8.054 | 258.5 | 11.49 |
| 2 | 14.04.2021 | 21.04.2021 | 8.163 | 263.1 | 11.69 |
| 3 | 14.04.2021 | 21.04.2021 | 8.111 | 270.0 | 12.00 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 12.05.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 12.05.2021 | 8.061 | 377.5 | 16.78 |
| 2 | 14.04.2021 | 12.05.2021 | 8.187 | 383.6 | 17.05 |
| 3 | 14.04.2021 | 12.05.2021 | 8.193 | 392.1 | 17.43 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯೋಜನಾಪ್ರಧಾನ ಘಟಕ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 21.04.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 21.04.2021 | 8.123 | 256.8 | 11.41 |
| 2 | 14.04.2021 | 21.04.2021 | 8.165 | 268.9 | 11.95 |
| 3 | 14.04.2021 | 21.04.2021 | 8.047 | 272.3 | 12.10 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 12.05.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 12.05.2021 | 8.022 | 378.8 | 16.84 |
| 2 | 14.04.2021 | 12.05.2021 | 8.167 | 386.9 | 17.20 |
| 3 | 14.04.2021 | 12.05.2021 | 8.189 | 395.4 | 17.57 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 21.04.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 21.04.2021 | 8.067 | 271.1 | 12.05 |
| 2 | 14.04.2021 | 21.04.2021 | 8.002 | 283.6 | 12.60 |
| 3 | 14.04.2021 | 21.04.2021 | 8.154 | 292.5 | 13.00 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email. sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 12.05.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 12.05.2021 | 8.015 | 378.9 | 16.84 |
| 2 | 14.04.2021 | 12.05.2021 | 8.169 | 382.3 | 16.99 |
| 3 | 14.04.2021 | 12.05.2021 | 8.032 | 394.5 | 17.53 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#89-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 21.04.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 21.04.2021 | 8.187 | 257.3 | 11.44 |
| 2 | 14.04.2021 | 21.04.2021 | 8.013 | 264.9 | 11.77 |
| 3 | 14.04.2021 | 21.04.2021 | 8.169 | 273.5 | 12.16 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA Jnanabharathi Enclave,
Valagerahalli, Mysore Road Bangalore
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 12.05.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 28th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 12.05.2021 | 8.113 | 371.6 | 16.52 |
| 2 | 14.04.2021 | 12.05.2021 | 8.198 | 385.6 | 17.14 |
| 3 | 14.04.2021 | 12.05.2021 | 8.057 | 392.3 | 17.44 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#89-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph. 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022 Date: 21.04.2021

# TEST REPORT ON CONCRETE CUBES

Client : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore.

Agency : **Sri. R Lokesh,** Contractor, Bangalore.

Name of the work : Compreshensive development of roads and drains in Muthyalanagara, LC-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09)

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 $mm^2$

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : $M_{15}$

Compressive Strength as on : 7th day

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 21.04.2021 | 8.002 | 260.0 | 11.56 |
| 2 | 14.04.2021 | 21.04.2021 | 8.143 | 270.0 | 12.00 |
| 3 | 14.04.2021 | 21.04.2021 | 8.162 | 280.0 | 12.44 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner

sapience
Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA,Jnanabharathi Enclave,
Valagerahalli, Mysore Road,Bangalore.
Ph: 9448853634, 8762194386
Email: sapiencebangalore@gmail.com

Job No.: SCE/BBMP/RL/17/2021-2022

Date: 12.05.2021

# TEST REPORT ON CONCRETE CUBES

| | |
|---|---|
| Client | : **Executive Engineer,** RR Nagar Division,BBMP, Bangalore. |
| Agency | : **Sri. R Lokesh,** Contractor, Bangalore. |
| Name of the work | : Compreshensive development of roads and drains in Muthyalanagara, I.C-4A, Mohankumarnagara, Sundar nagara and surrounding areas in ward no-17 under PACKAGE-2019-20 RRN-DIV-(09) |
| Sample ID | : Cement Concrete |
| Size of cubes | : 150mmx150mmx150mm |
| Cross Sectional Area | : 22500 $mm^2$ |
| Technical Reference | : IS: 516-1959 (Reaffirmed 2008) |
| Grade of Concrete | : $M_{15}$ |
| Compressive Strength as on | : 28th day |

| Sl.No. | Date of casting | Date of testing | Weight of cube (Kg) | Failure load (KN) | Compressive strength ($N/mm^2$) |
|---|---|---|---|---|---|
| 1 | 14.04.2021 | 12.05.2021 | 8.169 | 369.8 | 16.44 |
| 2 | 14.04.2021 | 12.05.2021 | 8.167 | 372.3 | 16.55 |
| 3 | 14.04.2021 | 12.05.2021 | 8.142 | 385.4 | 17.13 |

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಶವಂತಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

For SAPIENCE CONSULTANTS

Authorised Signatory

Scanned with CamScanner